

ETHACURE® 300 Curative

CAS Number 106264-79-3

EINECS/EC 403-240-8

Molecular Formula

APPLICATION

ETHACURE 300 curative, a liquid aromatic diamine with low chronic toxicity, is an effective curative for polyurethane cast elastomers. It is used in both hot and room-temperature casting. Other uses include as a slower chain extender for polyurethane urea and polyurea elastomers in reaction injection molding, structural reaction injection molding and hand-applied and spray coating applications, alone or in blends with ETHACURE 100 curative.

SPECIFICATION

Property	Value
Dimethylthiotoluenediamine, %	95–97
Monomethylthiotoluenediamine, %	2–3
Total diamines, %	>99
Water, %	<0.08

PHYSICAL PROPERTIES

Property	Value
Appearance	clear, yellow liquid *
Molecular weight	214
Boiling point at 16.8 torr, °F (°C)	392 (200)
Density at 68°F (20°C), g/ml	1.208
Density at 68°F (20°C), lb/gal	10.08
Pour point, °F (°C)	39 (4)
Flash point, (PMCC), °F (°C)	349 (176)
Vapor pressure at 68°F (20°C), mm Hg	<0.01
Viscosity at 68°F (20°C), cSt	690
Solubility – Ethanol	Miscible
Solubility – Toluene	Miscible
Solubility – Water	<0.03
Solubility – Heptane	3.5
Equivalent weight with isocyanates	107
Equivalent weight with epoxy resins	53.5

An asterisk (*) indicates that this will darken with time and exposure to air.

HANDLING & STORAGE

Before handling or using this product, the material safety data sheet should be read and understood. This can be obtained from your Albemarle sales representative.

TRANSPORT & PACKAGING**Container sizes:**

Drums: 5- and 55-gal, nonreturnable steel

Shipping classification:

US DOT: Not regulated in transportation

IMCO or ICAO: Not regulated in transportation

Other information:

US TSCA Chemical Inventory Number: CAS 106264-79-3

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

Technical data sheets may change frequently. You can download the latest version from our website www.albemarle.com.

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